



Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
P23681Serial No.
10/646,748INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

Applicant
Hiroshi NOMURAFiling Date
August 25, 2003Group
2872

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>W</i>	4 5 2 5 0 5 0	06/25/85	OHASHI			
<i>W</i>	4 6 4 3 5 5 5	02/17/87	WAKABAYASHI			
<i>W</i>	4 7 2 1 9 7 2	01/26/88	WAKABAYASHI			
<i>W</i>	4 7 9 2 8 2 2	12/20/88	AKIYAMA et al.			
<i>W</i>	5 8 1 8 6 4 7	10/06/98	NISHIO et al.			
<i>W</i>	6 0 3 1 9 9 8	02/29/00	SHONO			
<i>W</i>	4 4 5 1 1 2 9	05/29/84	IKARI et al.			
<i>W</i>	4 6 4 3 5 5 4	02/17/87	OGAWA			
<i>W</i>	4 7 7 1 3 0 3	09/13/88	MATSUMOTO et al.			
<i>W</i>	4 8 8 7 1 0 7	12/12/89	NAKAMURA et al.			
<i>W</i>	5 1 3 6 3 2 4	08/04/92	TSUBOI et al.			
<i>W</i>	5 7 6 5 0 4 9	06/09/98	HASE et al.			
<i>W</i>	5 8 3 2 3 2 6	11/03/98	TANAKA			
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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>W</i>	5 8 1 4 5 9 3 0	08/31/83	JAPAN			
<i>W</i>	6 1 - 6 9 0 0 2	04/09/86	JAPAN			
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EXAMINER

DATE CONSIDERED

9/24/04

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant Hiroshi NOMURA			
				Filing Date August 25, 2003		Group 2873	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
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<i>[Signature]</i>	2002 / 0 1 3 5 9 0 0	09/26/02	NOMURA et al.				
<i>[Signature]</i>	6 0 7 5 6 5 5	06/13/00	FUNAHASHI				
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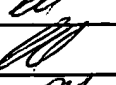
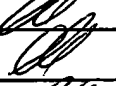
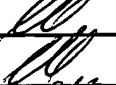



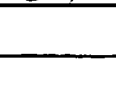
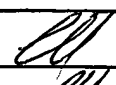
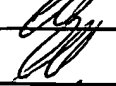

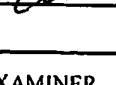
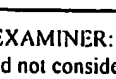
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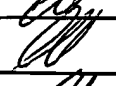


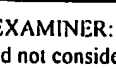
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	2002 / 0	1 3 5 9 0 1	09/26/02	NOMURA et al.			
	2003 / 0	0 8 1 3 2 7	05/01/03	NOMURA et al.			
	2002 / 0	1 3 5 8 9 6	09/26/03	NOMURA et al.			
	6	0 5 5 1 1 6	04/25/00	NOMURA et al.			
	6	2 0 4 9 7 7	03/20/01	IWASA			
	5	4 3 0 5 1 6	07/04/95	UZIIE et al.			
	2003 / 0	0 8 1 9 4 8	05/01/03	NOMURA et al.			
	2001 / 0	0 1 9 4 5 8	09/06/01	NOMURA et al.			
	4	9 9 3 8 1 5	02/19/91	YAMAZAKI et al.			
	5	8 1 8 6 4 7	10/06/98	NISHIO et al.			
	5	7 3 1 9 1 3	03/24/98	IMANARI			
	5	7 3 9 9 6 2	04/14/98	ASAKURA et al.			
	2003 / 0	1 5 6 8 3 2	08/21/03	NOMURA et al.			
	5	5 8 7 7 5 4	12/24/96	KATAYAMA et al.			
	6	0 5 2 5 3 5	04/18/00	UNO			
	5	2 2 3 8 7 3	06/29/93	TSUBOI			
	5	0 8 6 3 1 2	02/04/92	TANAKA et al.			
	5	4 9 9 1 4 3	03/12/96	SAKAMOTO et al.			
	6	0 6 9 7 4 5	05/30/00	FUJII et al.			
	6	3 2 4 0 1 9	11/27/01	TAKANASHI et al.			
5	4 8 5 3 1 5	01/16/96	NOMURA et al.				
EXAMINER			DATE CONSIDERED <u>9/24/04</u>				

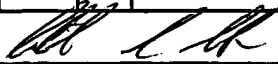
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	2002	-		2	7	7	7	1	9	09/25/02	JAPAN				
	10	-		2	8	2	3	9	4	10/23/98	JAPAN				
	58	-		1	6	2	9	1	4	09/27/83	JAPAN				
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		10	-		3	2	7	4	0	02/03/98	JAPAN			X	
	7	-		2	8	8	7	2	4	10/31/95	JAPAN			X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	1 English Language Abstract of JP 58-10708.
	2 English Language Abstract of JP 2003-207709.
	3 English Language Abstract of JP 2002-277719.
	4 English Language Abstract of JP 10-282394.
	5 English Language Abstract of JP 58-162914.

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